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# Version 0 Data Migration (Release A)

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**ECS Release A SDPS/CSMS Critical Design Review**

**15 August 1995**

# Topics

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**Purpose of Release A V0 data migration**

**Data migration interface with Release A**

**Data migration resources for Release A**

**Schedule for population of Release A**

# Purpose of Release A V0 Data Migration



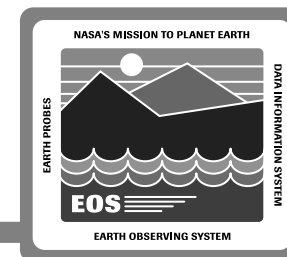
## Preprocess V0 data; ingest into ECS; populate ECS Data Servers

- Early test using Release A components
  - Complete products  
G-26 (TOMS), L-1 (ERBE), and M-60 (TOVS)
  - Partial products  
G-1 (AVHRR Land Mosaic), L-50 (ISCCP Dx)
- Early exercising and validation of the migration process
- Operational migration (preprocessing, ingest, and population) with initial migrated V0 data
  - Initial 34 products, 2.9 TBytes\* (defined in technical baseline)
- Operational migration with additional migrated V0 data during Release A operations
  - Additional 75 products, 4 TBytes\* (allocation for Release A operations)

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\* 36.6 Tbytes total migration (all DAACs, Releases A and B)

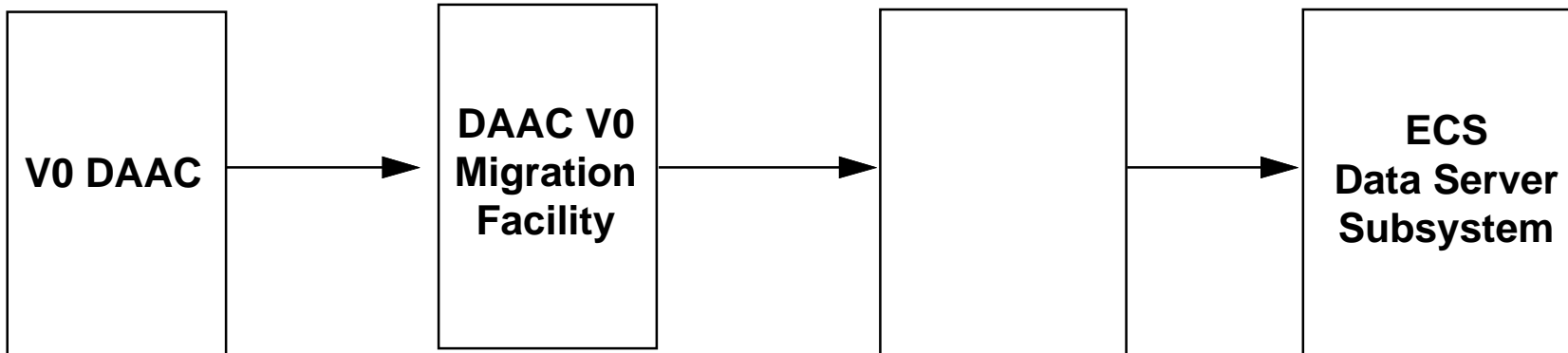
# V0 Data Migration Interface with Release A



**Electronic  
or Media  
Transfer**

**DAAC V0 Migration Facility  
Conforms to Standard  
External Interface  
Specification for ECS Ingest**

**Operational Population  
Performed with  
Standard ECS Services**

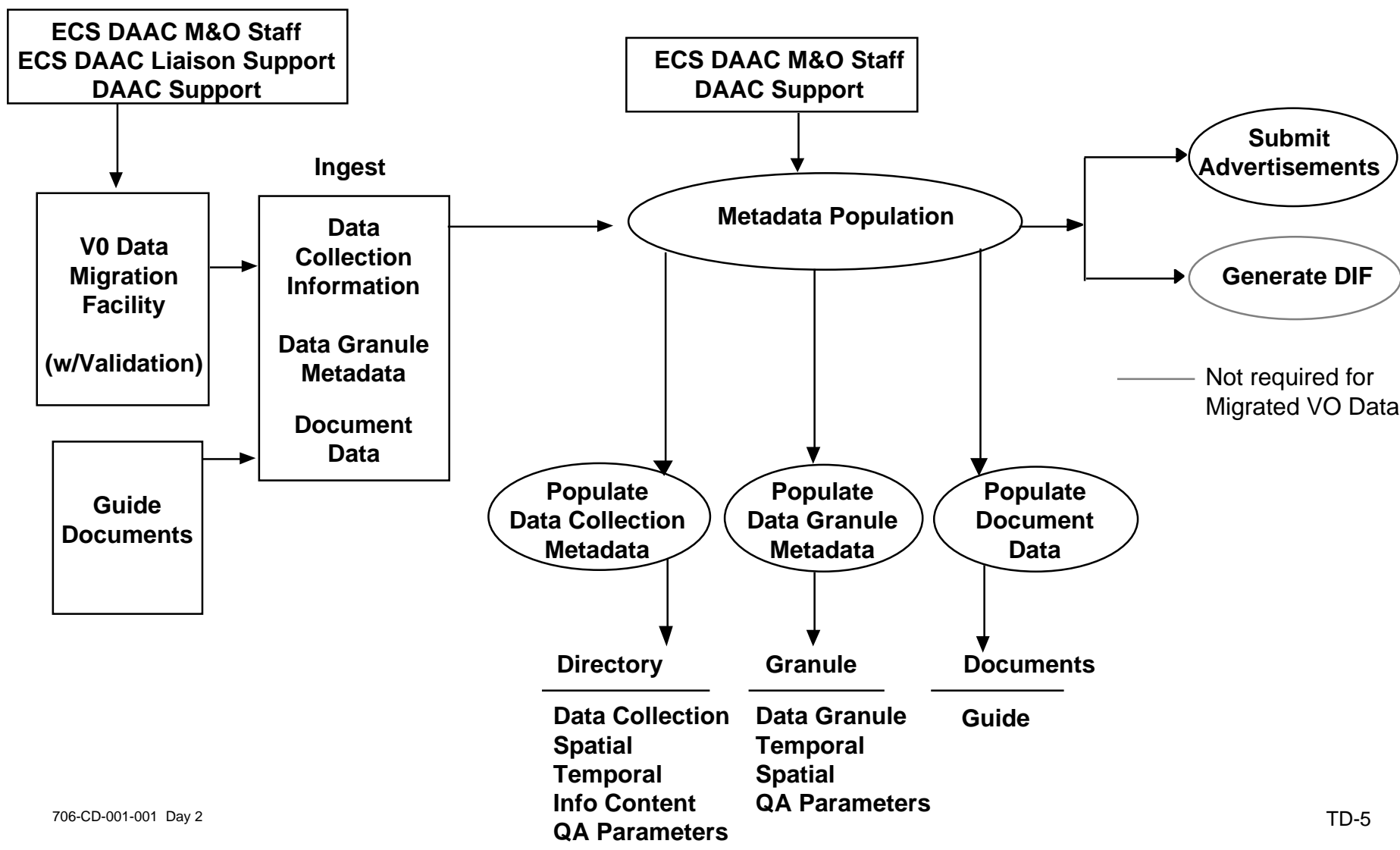
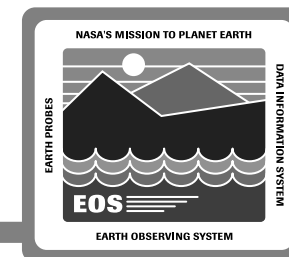


**Produce and/or Archive  
V0 Data and Associated  
Metadata**

**Preprocessing  
and Validation  
with Optional Upgrades  
to V0 Data and Metadata**

**Ingest and Operational Population of  
Data Server with Migrated V0 Data  
and Metadata**

# Release A Ingest and Operational Population (Migrated V0 Metadata)



# Release A Migration Resources (V0 Data Migration Facility)



## V0 migration facility processing resources

- Primary processing on backup hardware
  - Release A hardware adequate for V0 migration processing
  - Potential contention with ECS, IV&V and EGS testing
- Option to add standalone processing hardware

## V0 migration facility electronic / media transfer

- DAAC LAN connectivity for local electronic transfer
- Data Server ingest / distribution for media (8mm for Release A)
- Option to add peripheral devices for DAAC media not supported by Release A (e.g. DLT)

# Release A Migration Resources (Ingest and Population of Data Server)

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## GSFC, LaRC and MSFC

- **Ingest I/O and Data Server archives**
  - **Sized for initial 2.9 TBytes (Dec 96)**
  - **Growth to 6.9 TBytes (by Dec 97)**
- **Population of Data Server metadata databases**
  - **Sized for initial 34 data products (Dec 96)**
  - **Growth to 109 data products (by Dec 97)**

# Proposed Schedule for Population of Release A\*

